JSB147 Poster presentations

21 March (Odd Numbers 9:00-10:15, Even Numbers 10:15-11:30)

P001	Rapid Screening of Genome-Edited Plantlets Using High-Resolution Melting	☆Kawauchi, T., N. Nishide, T. Izawa (Grad. Sch. Agr. Life Sci., Univ. Tokyo)
P002	Efficient field crop phenotyping using the laser distance measurer and mobile device	○Yamashita, Y., H. Sato, N. Junsai, T. Igarashi (Central Agr. Exp. Stn., HRO)
P003	Visible-near infrared spectral analysis for identification of physiological and genetic features in rice	○Sato, Y.[1], H. Takehisa[1,2], I. Nagaoka[3], A. Ikehata[4] (1.Inst. Crop Sci., NARO, 2.Inst. Fruit Tree and Tea Sci., NARO, 3.Central Region Agric. Res. Cent., NARO, 4.Inst. Food Res., NARO)
P004	Regeneration of sorghum using cullus derived from mature seeds	○Hattori, E. (Toyota Motor Corporation)
P005	Phenotypic analysis using UAV images for selection of eraly maturing rice lines	○Suzuki, Y.[1], T. Nakano[1], D. Ogawa[2], T. Sakamoto[3] (1.Plant Biotechnology Institute , Ibaraki Agricultural Center, 2.Institute of Crop Science,NARO, 3.Institute for Agro-Environmental Science,NARO)
P006	Development of a KASP marker set for high-throughput genotyping in Japanese barley breeding programs with various end-use purposes	☆Shimizu, H.[1], G. Ishikawa[2], H. Aoki[3], M. Nakata[1], T. Tonooka[4], A. Takahashi[2], J. Tanaka[4] (1.Kyushu Okinawa Agricultural Research Center, NARO, 2.Institute of Crop Science, NARO, 3.Hokkaido Agricultural Research Center, NARO, 4.NARO Headquarters)
P007	*in planta* Particle bombardment (iPB) revolutionizes soybean genome editing	○Imai, R., K. Fujii, T. Ogawa, K. Kuriyama, Y. Hirayama, K. Sasaki (Inst. Agrobiol. Sci., NARO)
P008	Simulation Study on Genomic Prediction for Intercropping	☆Kinoshita, S.[1], H. Takanashi[1], Y. Ohmori[1], H. Takahashi[2], Y. Ichihashi[3], Y. Fuji[4], M. Tsuda[5], T. Ishii[6,7], W. Guo[1], H. Iwata[1] (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.Grad. Sch. Bioagri. Sci., Nagoya Univ., 3.RIKEN BioResource Res. Ctr., 4.RIKEN Ctr. for Sustainable Sci., 5.Faculty of Food and Nutritional Sci., Toyo Univ., 6.Arid Land Res. Ctr. (ALRC), Tottori Univ., 7.Int. Platf. Dryland Res. Educ. (IPDRE), Tottori Univ.)
P009	Research on grain skinning in barley: QTL analysis and the relation with malt extract.	☆Sasaki, S., R. Kanatani, N. Hirota, M. Nanamori, T. Hoki (Crop Research Laboratories, SAPPORO BREWERIES LTD.)
P010	Verification of the effectiveness of generative AI in 3D plant reconstruction	○Kodama, K., J. BURRIDGE, P. BLOK, W. Guo (Univ. Tokyo)
P011	Estimation of Missing Genomic Information in Soybean Crossing Populations and Haplotype-Based Genomic Prediction	☆Okabe, R.[1], K. Sakurai[2], M. Inamori[2], H. Igarashi[3], N. Yamaguchi[4], A. Kaga[5], H. Iwata[2] (1.Fac. Agr., Univ. Tokyo, 2.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 3.Tokachi Agr. Exp. Sta., HRO, 4.Central Agr. Exp. Sta., HRO, 5.Inst. Crop Sci., NARO)
P012	Relationships of heading period and various characteristics in rice.	○Fukui, K. (The Research Center of Genetic Resources, NARO)
P013	Rice production and climate in Niigata Prefecture and development of a new line	○Yamasaki, M., K. Ishii, T. Sato (Fac. Agr., Niigata Univ.)
P014	New durum wheat cultivar 'Setodure R5' with good pasta making quality	○Keita, K.[1], Y. Ban[1], M. Ito[1], K. Kawaguchi[1], H. Okusu[2], T. Tanaka[2], H. Kawakami[2], M. Yamaguchi[2], K. Takata[1,3], M. Yanaka[1,4], W. Funatsuki[1,5] (1.WARC, NARO, 2.Central Laboratory, NIPPN Corporation, 3.Obihiro University of Agriculture and Veterinary Medicine, 4.KARC, NARO, 5.TARC、NARO)
P015	Development of a new winter wheat cultivar, 'Setonohohoemi' with good bread-making quality and resisntance to wheat yellow mosaic virus for western Japan	○Ito, M.[1], Y. Ban[1], K. Kato[1], K. Kawaguchi[1], K. Takata[2], M. Yanaka[3], W. Funatsuki[4], T. Ikeda[1], N. Ishikawa[1] (1.Western Region Agricultural Research Center, NARO, 2.Obihiro University of Agriculture and Veterinary Medicine, 3.Kyushu Okinawa Agricultural Research Center, NARO, 4.Tohoku Agricultural Research Center, NARO)

P016	Development of perennial crops (Development and evaluation of inter-specific breeding line of buckwheat)	○Suzuki, T.[1], K. Matsusima[2], A. Matsuura[2], K. Tsujimoto[3], R. Kurokoh[3], S. Murakami[3], N. Takahashi[3], K. Murata[3], K. Katsu[1], M. Katsuta[1] (1.KARC., NARO, 2.Inst. Agric., Acad. Assembly Fac., Shinshu Univ., 3.Univ. Tokai)
P017	Development of a new winter wheat cultivar, “Tatsukirari” with good bread-making and soy sauce-brewing quality for western Japan.	○Ban, Y.[1], K. Kato[1], M. Ito[1], N. Tokuriki[2], Y. Nakagaki[2], M. Hirose[2], K. Kawaguchi[1], T. Ikeda[1], K. Takata[1,3], M. Yanaka[1,4], W. Funatsuki[1,5], N. Ishikawa[1] (1.Western Region Agr. Res. Cent., NARO, 2.Higashimaru Shoyu Co., Ltd., 3.Obihiro Univ. Agric. Vet. Med., 4.Kyushu Okinawa Agr. Res. Cent., NARO, 5.Tohoku Agr. Res. Cent., NARO)
P018	Research on fruit traits and population structure analysis of East Asian eggplant genetic resources, focusing on Mizunasu (*Solanum melongena* L.)	○Segami, S.[1], K. Nishimura[2] (1.Res. Inst. Env. Agr. Fish., Osaka Pref., 2.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U.)
P019	New hull-less barley cultivar 'Sun-Sun Fiber' with extremely high beta-glucan content.	○Sugita, T.[1], M. Ito[1], Y. Ban[1], K. Kato[1], Y. Nogata[1], D. Abe[1], T. Yoshioka[2], A. Takahashi[3], t. Yanagisawa[3], T. Nagamine[4] (1.WARC/NARO, 2.BRAIN/NARO, 3.NICS/NARO, 4.CARC/NARO)
P020	Mapping of Sarude gene in foxtail millet using dpMIG-seq	○Fukunaga, K.[1], Y. Satani[1], K. Nishimura[2] (1.Fac. Biores. Sci., Pref.U.Hiroshima, 2.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama U.)
P021	Development of a new high-yielding soybean cultivar “Sorahibiki” for Tohoku and Hokuriku regions of Japan by crossing Japanese and U.S. soybean cultivars.	○Hishinuma, A.[1], S. Shimamura[2], E. Sasatani[1], Y. Nanjo[1], T. Sayama[1], K. Hirata[3], A. Kikuchi[1], S. Kato[3], T. Matsumoto[1], T. Yamada[4], M. Hajika[5], K. Takahashi[3], N. Yamada[6], Y. Kono[7], Y. Shinoto[1], M. Furuhata[1] (1.TARC, NARO, 2.KARC, NARO, 3.NICS, NARO, 4.RCAIT, NARO, 5.Kubota, Corp., 6.Nagano Pref. Agr. Expt. Sta., 7.CARC, NARO)
P022	Development of “HYBRID TOGO 2GO S/4GO S”, the Early-Ripening Varieties of Improved Hybrid Togo series.	○Jinushi, K., K. Iwatsuki (Research Institute of Rice Production &Technology Co., Ltd.)
P023	Basic research on yield estimation of wild rice using phytolith analysis (III) field trial to collect data for yield estimation using phytolith in archeology	☆Sakamoto, T.[1], T. Kojo[1], R. Takahashi[1], K. Shimizu[2], R. Ishikawa[3], T. Udatsu[4], K. Ichitani[2] (1.Grad. Sch. Agr. Forest. Fish., Kagoshima U., 2.Fac. Agr., Kagoshima U., 3.Fac. Agri. Life Sci., Hirosaki U., 4.Fac. Agri., U. Miyazaki)
P024	Evaluation of genetic diversity and the development of quasi-natural populations of wild emmer wheat populations in southern Turkey	○Mori, N.[1], S. Takenaka[2], K. Tanno[3], H. Ozkan[4], S. Ohta[5] (1.Grad. Sch. Agric. Sci., Kobe Univ., 2.Fac. Agric., Ryukoku Univ., 3.Fac. Litl., Ryukoku Univ., 4.Fac. Agric., Univ. Cukurova, Turkey, 5.Prof. emeritus, Fukui Pref. Univ.)
P025	Whole genome analysis of late-flowering, resilient, and tillering isogenic lines of Koshihikari	☆Sugihara, H., M. Tomita (Res. Inst. Green Sci. & Technol., Shizuoka Univ.)
P026	Characterization of a large tomato mutant pools induced by fast-neutron and heavy ion beam irradiation in National BioResource Project-Tomato.	○Sugimoto, K.[1], T. Shimokawa[2], N. Kikuchi[3], M. sweet[3], H. Ezura[1] (1.Univ. Tsukuba, T-PIRC, 2.QST, Institute for Quantum Medical Science, 3.Quantum Flowers & Foods Co., Ltd.)
P027	Investigation of intraspecific variation, geographic differentiation, and differentiation among taxonomic groups in daylilies based on morphological characters	○Sasanuma, T.[1,2], K. Tamagawa[2], N. Saito[1], Y. Sato[1], S. Asami[1], Y. Osafune[3], T. Sugawara[3], S. Kishimoto[3,4] (1.Fac. Agr., Yamagata Univ., 2.Grad. Sch. Agr., Yamagata Univ., 3.Mt. Chokai and Tobishima island Geopark Promotion Council, 4.Fac. Life Design, Tohoku Inst. Tech.)
P028	Investigation for development of wheat varieties adapted to west coast area of Northeast Japan. 2	☆Sasaki, M.[1], R. Ogata[1], H. Nagaya[1], H. Kamata[1], K. Hatta[2], H. Aoki[2], Y. Terasawa[2], H. Matsunaka[2], A. Matsuoka[3], A. Nakamaru[3], H. Ito[3], S. Ikenaga[3], A. Nakatsubo[1], T. Sasanuma[1] (1.Fac. Agr., Yamagata Univ., 2.Hokkaido Agr. Res. Cent., NARO, 3.Tohoku Agr. Res. Cent., NARO)
P029	Soybean lines relatively hard to reduce in low-yield year at Hokuriku region.	○Kono, Y. (Cent.Reg.Agr.Res.Ctr.,NARO)

P030	Genetic diversity of local *Brassica juncea* populations in the eastern Shan State of Myanmar	☆Nohara, T.[1], S. Yoshida[2], A. O. M[3], K. Irie[4], K. Wakui[2] (1.Agri. Science. Grad.Agri., Tokyo Univ. of Agri., 2.Dept. of Bio. Res. Dev., Grad. Agri., Tokyo Univ. of Agri., 3.Dept. of Agri. Res., Min. of Agri., Livest. and Irrig., Myanmar, 4.Fac. of Intl. Agri. and Food. Stud., Tokyo Univ. of Agri.)
P031	Evaluation of Inbreeding Depression in Citrus Breeding Population and Its Application to Breeding	☆Kimura, S.[1], M. Minamikawa[2], K. Nonaka[3], T. Shimizu[3], H. Iwata[1] (1.Grad. Sch. Agr. Life Sci., Univ. Tokyo, 2.IAAR, Chiba Univ, 3.NIFTS, NARO)
P032	Development of a novel visualization tool "GenoSee" for graphical genotypes	☆Hashimoto, S.[1,2] (1.Grad. Sch. Agric. Life Sci., Univ. Tokyo, 2.JSPS Research Fellow PD)
P033	Genotypes of rice heading date genes in rice flour lines for the northern Tohoku region	○Ohmori, S.[1], S. Kanda[2], W. Sunaga[2], Y. Taniguchi[1], J. Tanaka[1] (1.Crop Sci., NARO, 2.Aomori Pref. Indust. Tech. Res. Cent. Agric. Res. Inst.)
P034	Genetic analysis of potato late bright resistance and development of DNA markers by Polyploid QTL-seq	☆Nakajima, H.[1], T. Mizubayashi[2], H. Yamakawa[2], K. Akai[1] (1.Hokkaido Agricultural Research Center, NARO, 2.Institute of Crop Science, NARO)
P035	A comparison of scaffolding methods in the *de novo* genome assembly of peach	☆Nishimura, K.[1], K. Ushijima[1], M. Amamori[2], S. Nakanishi[1], Y. Monden[1], K. Kato[1], H. Nishida[1], F. Fukuda[1], A. Toyoda[3], R. Nakano[2] (1.Grad. Sch. Environ. Life Nat. Sci. Tech., Okayama Univ., 2.Grad. Sch. Agr., Kyoto Univ., 3.National Institute of Genetics)
P036	Virome analysis for evaluation of infected wheat samples	○Tanaka, T.[1], S. Takata[2], H. Kojima[2], E. Yazaki[1], F. Kobayashi[2] (1.NAAC, NARO, 2.NICS, NARO)
P037	QTL Mapping of Important Agronomic Traits in Grain Amaranth (*Amaranthus hypochondriacus*)	☆Zaelani, A.[1], S. Isobe[2], K. Shirasawa[2], Y. Yoshioka[3] (1.Grad. Sch. Science & Tech., Univ. Tsukuba, 2.Kazusa DNA Research Institute, 3.Inst. Life & Env. Sci., Univ. Tsukuba)
P038	Detection of genes involved in rice grain chalkiness using Genome-wide association study	☆Fujii, E.[1], E. Yamamoto[1], M. Yamasaki[2], K. Hori[1] (1.Inst. Crop Sci., NARO, 2.Grad. Sch. Sci. Tech., Niigata Univ.)
P039	Genome sequence and gene annotation of a durum wheat cultivar Langdon	☆Ohta, A., K. Yoshida, T. Sakai, M. Nitta, S. Nasuda, R. Terauchi (Grad. Sch. Agri., Kyoto Univ.)
P040	Characterization of DNA rearrangements in Arabidopsis M1 plants irradiated at the seed and seedling stages with ion beams	○Kitamura, S.[1], K. Satoh[1], Y. Hase[1], R. Yoshihara[2], Y. Oono[1], N. Shikazono[3] (1.QST-Takasaki, 2.Grad. Sch. Sci. & Eng., Saitama Univ., 3.QST-Kansai)
P041	Purification of high-molecular-weight DNA using polysaccharide hydrolase.	☆Nakagawa, K.[1], H. Matsumura[3], N. Hayashida[2] (1.Master's Program, Shinshu University, 2.Division of Applied Biology, Faculty of Textile, Shinshu University, 3.Gene Research Center, Shinshu University)
P042	Identification of SNP alleles associated with flowering time in small spray-type chrysanthemum varieties by Genome-wide association study.	☆Inazaki, F.[1], K. Shirasawa[2], S. Kurihara[1,3], T. Gounai[1] (1.Plant Biotech. Inst., Ibaraki Agri Cent., 2.Kazusa DNA Res. Inst., 3.Hitachiomiya Dist. Agri. Dev. Ext. Cent.)
P043	Site-directed mutagenesis of CENH3 genes for the development of the haploid-inducers in barley	○Hisano, H., H. Munemori, M. Hamaoka, N. Yamaji (IPSR, Okayama Univ.)
P044	Chromosomal structural changes responsible for rice albino mutants obtained by neutron irradiation using J-PARC accelerator	☆Nakayama, Y.[1], K. Kojima[1], N. Kikuchi[2], T. Kuboyama[1] (1.Col. Agr., Ibaraki U., 2.QFF)
P045	Genome editing techniques for controlling gene copy number variations in rice using multiple nucleases	☆PARK, H., H. SAIKA, T. KUROHA, H. YOSHIDA (Inst. Agro. Sci., NARO)

P046	Efficiency of mutant detection from bulked wheat seeds by digital PCR	☆Kanda, Y.[1], K. Takagi[1], N. Yamaji[2], F. Abe[3], M. Kaboshi[1], K. Sato[1,2,4] (1.Kazusa DNA Research Inst., 2.IPSR, Okayama U., 3.Inst. Crop Sci., NARO, 4.Grad. Sch. Agr., Setsunan Univ.)
P047	Evaluation of antioxidant capacity in leaves of high carotenoid tobacco mutants	○Mikami, M., T. Takeuchi, H. Ayabe, Y. Takakura, H. Magome (Leaf Tobacco Research Center, JAPAN TOBACCO INC.)
P048	Evaluation of grain dormancy on genome edited wheat with *TaQsd1* triple mutations for multiple years.	○Kishi-Kaboshi, M.[1,2], F. Abe[2], M. Chono[2], N. Yamaji[3], H. Hisano[3], K. Sato[1,3,4] (1.Kazusa DNA Res. Inst., 2.NICS, NARO, 3.IPSR, Okayama U., 4.Grad. Sch. Agr., Setsunan Univ.)
P049	Effects of ectopic expression of the phosphate transporter AtPHO1 on phosphate acquisition and transportation	☆Shimizu, A.[1], H. Suzuki[2], Y. Tada[2] (1.Bionics, Grad. Sch., Tokyo Univ. of Technol., 2.Sch. Biosci, Biotechnol., Tokyo Univ. of Technol.)
P050	Effects of overexpressing potassium transporter AtHAK5 on low potassium tolerance in transgenic Arabidopsis	Watanabe, K., Y. Watanabe, Y. Fujishiro, ○Y. Tada (Sch Biosci Biotechnol, Tokyo Univ Technol)
P051	Insight into the molecular evolution of glutamine synthetase gene family of *Arabidopsis*	○Watanabe, A.[1], H. Takahashi[2] (1.Fac. Bioresource Sci., Akita Pref. Univ., 2.Cluster of Agricultural Sci., Fukushima Univ.)
P052	Analysis of a semi-dwarf mutant of rice induced by carbon-ion irradiation.	○Morita, R.[1], H. Ichida[1], Y. Hayashi[1], Y. Shirakawa[1], K. Ichinose[1], T. Sato[1,2], K. Toriyama[2], T. Abe[1] (1.RIKEN, Nishina Cent., 2.Grad. Sch. Agri. Sci., Tohoku Univ.)
P053	Functional analysis of the rice large grain mutation-causing gene LGG and its orthologous genes	○Tsugane, K.[1], M. Tsugane[1], W. Chiou[2], M. Maekawa[3] (1.National Institute for Basic Biology, 2.National Chung Hsing University, 3.Okayama University)
P054	Effects of yield-related genomic regions pyramided in the rice cultivar 'Hitomebore' on yield	☆Takasago, H.[1], T. Fujioka[2], M. Terata[1], Y. Yoshitsu[1], C. Nomura[3], Y. Ogasawara[3], H. Utsushi[3], M. Watanabe[1], A. Abe[3] (1.Iwate Agric. Res. Cent., 2.Presnt affiliation: Iwate Pref. Agri. College, 3.Iwate Biotech. Res. Cent.)
P055	Chronological observation of anther morphology in CMS eggplant showing anther indehiscence	☆Miyata, A.[1], M. Tsujimura[2], T. Shizuka[3], S. Arimura[4], S. Isshiki[5], T. Terachi[1] (1.Fac. Life Sci., Kyoto Sangyo Univ., 2.Fac. Agr., Ryukoku Univ., 3.Cent. Plant Sci., Kyoto Sangyo Univ., 4.Grad. Sch. Agr. Life Sci., Univ. Tokyo., 5.Fac. Agr., Saga Univ.)
P056	Dose the mutation of the SLO1 PPR protein binding site influece efficiency of the RNA editing?	☆Sugimoto, H.[1], I. Nakazato[2], S. Arimura[2] (1.Fac. Agr., Univ. Tokyo, 2.Grad. Sch. Agr. Life Sci., Univ. Tokyo)
P057	Alteration of seed size by rice OsSub53 gene editing	☆Yamaguchi, t., M. Kawabe, Y. Saitoh (Grad. Sch. Agri., Univ. Iwate)
P058	Comprehensive analysis of metabolites and genes involved in common scab resistance	☆Fujiwara, Y.[1], K. Asano[2], Y. Sekiyama[1] (1.Research Center for Advanced Analysis, NARO, 2.Hokkaido Agricultural research Center, NARO)
P059	Meta-analysis to identify cis-elements inducing rice bran-specific gene expression	☆Kuwabara, K., M. Urakawa, Y. Ito, K. Toriyama (Grad. Sch. Agric. Sci., Tohoku Univ.)
P060	'OneWheatData', French-Japanese collaboration for the utilisation of wheat genetic resources data	○Ishikawa, G.[1], H. Kajiya-Kanegae[1,2], C. Pommier[3], C. Debiton[4] (1.Inst. Crop Sci., NARO, 2.Res. Cent. Agri. Info. Tech., NARO, 3.INRAE - URGI, 4.INRAE - GDEC)
P061	Exploring Automated Curation of Plant Genome Information from Digital Files.	○Ichihara, H.[1], Y. Nakamura[1,2], S. Isobe[1,3] (1.Kazusa DNA Res. Inst., 2.Nat. Inst. Genet., 3.Grad. Sch. Agr. and Life Sci., Univ. of Tokyo)

P062	Exploration of QTLs for Resistance to Root-Knot Nematode in Rice and Isolation of the *RKNR1* Gene.	◯Sunohara, H.[1,2], S. Sawa[1] (1.FAST, Kumamoto Univ., 2.Present address: ECC Co., Ltd.)
P063	Analysis of Disease Responses via Bioactive Small Molecules during Wheat Powdery Mildew Infection	☆SATO, Y.[1,2,3,4], Y. WENG[1,2,3,5], T. SHIMAZAKI[2,3,4], Y. KANNO[1], Y. TAKEBAYASHI[1], K. YOSHIDA[6], K. NIHEI[4], M. OKAMOTO[1,2,7] (1.RIKEN, CSRS, 2.Ctr. for Biosci. Res.&Educ., Utsunomiya Univ., 3.Grad. Sch. Reg. Dev.&Creat., Utsunomiya Univ., 4.Sch. Agri., Utsunomiya Univ., 5.UGSAS, Tokyo Univ. of Agri.&Tech., 6.Grad. Sch. Agri., Kyoto Univ., 7.KIBR, Yokohama City Univ.)
P064	Why has the potato cyst nematode resistance gene *H1* not yet been identified?	◯Umemoto, N.[1], H. Hamada[2], Y. Nagira[2], H. Yamada[2], Y. Sakamoto[3], I. Habe[3], K. Naito[4], H. Sakai[4], H. Yamakawa[4], K. Akai[4] (1.RIKEN CSRS, 2.Agri-Bio Res. Cent. Kaneka Co., 3.Nagasaki Agri. Forest. Tech. Dev. Cent., 4.NARO)
P065	Varietal differences of internal browning in sweet potato	◯Maeda, S., T. Kawamura, C. Endo (Agricultural Research Institute, Ibaraki Agriculture Center)
P066	Degree of residual leaves at maturity in Hokkaido azuki bean cultivars and trial of a simple quantification method.	☆Doman, K.[1], F. Kousaka[1], H. Nagasawa[2], Y. Horiuchi[2] (1.Central AES, HRO, 2.Tokachi AES, HRO)
P067	Pyramiding effect of two QTLs, *bsr1* and *qBSR3.1-kd*, for brown spot resistance in rice	◯Matsumoto, K.[1], S. Ohashi[1], D. Nakamura[1], Y. Honda[1,2] (1.Mie Pref. Agri. Res. Inst., 2.Mie Pref. Government)
P068	Antioxidants have antifungal effects and ability to activate defense responses to rice blast fungus	☆Huang, Y., T. Hikawa, M. Kato, T. Inukai (Grad. Sch. Agri., Univ. Hokkaido)
P069	Establishment of sweet potato transformation system for functional analysis of the root-knot nematode infection-responsive genes	☆Kohyama, T.[1], N. Suwa[1], S. Kanda[2], M. Otani[3], E. Asamizu[2] (1.Graduate school of Agriculture, Ryukoku University, 2.Faculty of Agriculture, Ryukoku University, 3.Institute of Bioresource Engineering, Ishikawa Prefectural University)
P070	Genetic analysis of resistance against bacterial blight of some mutant lines induced by ion beam irradiation in rice	☆Ellewala Kankanamge, E.[1], R. Takahashi[2], Y. Maeda[2], S. Taura[1,3], K. Ichitani[1,4] (1.Uni. Grad. Sch. Agr., Kagoshima Univ., 2.Grad. Sch. Agr. Forest. Fish., Kagoshima Univ., 3.Inst. Gene Res., Kagoshima Univ., 4.Fac. Agr., Kagoshima Univ.)
P071	Verification of QTLs related to WYMV resistance from the resistant cultivar 'Shunyo' and genotyping of the resistance alleles in the pedigree	☆Takata, S.[1], G. Ishikawa[1], H. Maejima[2], Y. Uehara[2], K. Tsunekawa[3], R. Suzuki[3], S. Kato[3], N. Saka[3], C. Souma[4], M. Yanaka[1], K. Nakamura[1], H. Matsunaka[1], C. Otobe[1], K. Hatta[1], H. Kojima[1], F. Kobayashi[1] (1.NARO, 2.Nagano Pref. Agri. Exp. Sta., 3.Aichi Agri. Res. Cen., 4.HRO)
P072	Three-year trial for resistance against bacterial blight of rice mutant lines induced by ion beam	☆Takahashi, R.[1], K. Kato[1], Y. Maeda[1], Y. Shibata[1], Y. Gatayama[2], S. Taura[3], K. Ichitani[4] (1.Grad. Sch. Agr. Forest. Fish., Kagoshima Univ., 2.KIAD Tokunoshima, 3.Inst. Gene Res., Kagoshima Univ., 4.Fac. Agr., Kagoshima Univ.)
P073	Substitution mapping of QTL for brown planthopper resistance (*qBPH6*) in introgression line of African rice, *Oryza glaberrima*	☆BEGUM, K., K. Baba, D. Fujita (Grad. Sch. Agri., Univ. Saga)
P074	Search for a cis-element responsible for bran-specific expression of rice lipase by the transient expression in immature seeds	Urakawa, M., K. Kuwabara, K. Toriyama, ◯Y. Ito (Grad Sch Agri Sci)
P075	Effects of multiple allelic variations in the *VRN-3* locus on agronomic traits in Hokkaido spring wheat	◯Hayashi, K.[1], R. Saitou[1], T. Sonoda[1], L. Díaz Suárez[2], S. Ohnishi[1], K. Ohnishi[2] (1.HRO Kitami AES, 2.Obihiro University of Agriculture and Veterinary Medicine)
P076	Structural characteristics of plant basic 7S globulin as a target of breeding for protein quality	◯Hirano, H., J. Shirakawa (Inst. Mol. Cell. Regulation, Gunma Univ.)

P077	Designing flag leaf source ability by QTL pyramiding in rice	☆Nomura, C., H. Utsushi, A. Abe (Iwate Biotechnology Research Center)
P078	Comparative QTL analysis of yield-related traits in bidirectional BC_1F_1 populations from the cross showing hybrid vigor at early seedling stage in rice	☆Kojo, T.[1], T. Sakamoto[1], M. Higashi[2], S. Taura[3], S. Ogihara[4], T. Kuboyama[5], K. Ichitani[2] (1.Grad. Sch. Agr. Forest. Fish., Kagoshima U., 2.Fac. Agr., Kagoshima U., 3.Gene Res. Inst., Kagoshima U., 4.Grad. Sch. Agr., Ibaraki U, 5.Col. Agri. Ibaraki U.)
P079	Development of multispectral imaging analysis method for objective evaluation of seed quality of wheat and soybean	○Yamada, T.[1], G. Ishikawa[2], K. Nakashima[2], Y. Nanjo[3], H. Nakamura[2], K. Kato[4], T. Okada[2], M. Yoshioka[4], T. Ikeda[4], J. Yonemaru[1] (1.Res. Cent. Agric. Info. Tech., NARO, 2.Inst. Crop Sci., NARO, 3.Tohoku Agric. Res. Cent., NARO, 4.Western Reg. Agric. Res. Cent., NARO)
P080	Study of QTLs responsible for early flowering in the F_2 population derived from the cross *Ipomoea nil*, Q63 x *I. hederacea*, Q65	☆Murakami, K.[1], A. Hoshino[2,3], E. Nitasaka[4], T. Kuboyama[1] (1.Col. Agr., Ibaraki U., 2.Natl., Inst. Basic Biol., 3.SOKENDAI, 4.Grad. Sch. Sci., Kyushu U.)
P081	Development of PHYTOMap for rice shoot apical meristem	☆Iwama, K.[1], Y. Morishita[2], H. Tsuji[3,4] (1.Sch. Agri., Nagoya Univ., 2.Grad. Sch. Bioagr. Sci., Nagoya Univ., 3.BBC, Nagoya Univ., 4.KIBR, Yokohama City Univ.)
P082	Global transcriptome analysis of *TAB1* and *ASP1*-regulated genes during axillary meristem development in rice	☆Ohyama, A.[1], T. Toriba[2], W. Tanaka[1] (1.Grad. Sch. Integr. Sci. Life, Hiroshima Univ., 2.Miyagi Univ.)
P083	A novel role of *FINE CULM1* in rice tiller formation	○Tanaka, W.[1], A. Ohyama[1], T. Toriba[2], R. Tominaga[1], H. Hirano[3] (1.Grad. Sch. Integr. Sci. Life, Hiroshima Univ., 2.Miyagi Univ., 3.Grad. Sch. Sci., Univ. Tokyo)
P084	Role of class III homeodomain leucine zipper gene family in developing shoot apical meristems in rice	☆Chiba, K.[1], S. Kawanabe[2], R. Satoh[1], N. Nagasawa[2], J. Itoh[3], N. Satoh-Nagasawa[2] (1.Grad. Sch. Biores. Sci., Akita Pref. Univ., 2.Fac. Biores. Sci., Akita Pref. Univ., 3.Grad. Sch. Agri. & Life Sci., Univ. Tokyo)
P085	How did multiple male sterility inducing cytoplasm evolve in the course of wild beet mitochondrial diversification?	Kubota, K.[1], M. Oishi[1], E. Taniguchi[1], A. Akazawa[1], K. Matsui[1], K. Kitazaki[1], A. Toyoda[2], H. Toh[2], H. Matsuhira[3], Y. Kuroda[3], ○T. Kubo[1] (1.Grad. Sch. Agr., Hokkaido Univ., 2.Adv. Genomics Ctr., Natl. Inst. Genetics, 3.Hokkaido Agr. Res. Ctr., NARO)
P086	Evaluation of Genetic Diversity and Current Status of On-farm Seed Saving in 'Inekokina', a Local Turnip Variety of Nagano Prefecture	☆Kohara, R.[1], K. Matsushima[2], K. Nemoto[2] (1.Grad. Sch. Sci and Tec., Univ. Shinshu, 2.Inst. Agric. Acad. Assy. Fac., Univ. Shinshu)
P087	Introduction of betalain synthesis genes overexpression system called RUBY to *Chrysanthemum seticuspe* without antibiotic selection	○Matsushita, S., M. Kurao, S. Chokyu (Agr. Tech. Res. Cent., HiTRI)
P088	Visual evaluation of the transformation process in Poncirus trifoliata using the RUBY pigment biosynthesis marker gene.	○Shirakami, N., M. Kurao, J. Kaneyoshi, S. Chokyu, S. Matsushita (Agric. Tech. Res. Cent., Hiroshima Pref. Tech. Res. Inst.)
P089	A QTL associated with bigerm seed rate in sugar beet is located in a genomic region distinct from the Multigerm locus M.	○Matsuhira, H., T. Narihiro, Y. Kuroda (Hokkaido Agri. Res. Cent., NARO)
P090	Diversity of pollen-related traits in the genera *Triticum* and *Aegilops* that include wheat and its wild relatives	☆Kobayashi, S.[1], H. Kojima[2], S. Sakuma[3], H. Kakui[4], S. Nasuda[2] (1.Fac. Agric., Kyoto Univ., 2.Grad. Sch. Agric., Kyoto Univ., 3.Fac. Agric., Tottori Univ., 4.Grad. Sch. Agric. Life Sci., Univ. Tokyo.)
P091	Quantitative evaluation of compatibility of homostyly in *Primula sieboldii* by observing its pollen tube elongation	☆Ueda, Y.[1], T. Yasuda[1], Y. Yoshida[2] (1.Grad. Sch. Agr. Sci., Kobe Univ., 2.Food Resources Education and Research Center, Grad. Sch. Agr. Sci., Kobe Univ.)

P092	Control culture condition for induction of greening of somatic embryos for differentiation in tea plant and analysis the functional components in embryos.	◯Furukawa, K., H. Sei, S. Yahashi, R. Yoshikawa, H. Segawa (National Institute of technology (KOSEN), Numazu college)
P093	Histological observation and estimation of the causative gene on genic male sterility expressed in "Tennoji-kabu".	☆Ozeki, M.[1], N. Sunagawa[2], K. Komatsu[2], Y. Mitsui[2], K. Wakui[2] (1.NODAI Genome Res. Ctr., Tokyo Univ. of Agri., 2.Fac. Agri. Dept. Bioresource Dev., Tokyo Univ. of Agri.)
P094	Occurrence of doubled haploid plants by crossing *Cymbidium eburneum* with three-way hybrids of *Cymbidium* spp. using early ovary culture method	☆Kokubo, H.[1], K. Mabuchi[1], T. Ishida[2], J. Kato[1] (1.Dept.Biol.Sci.Edu.,Aichi U.Educ., 2.Ishida Cymbidium Nursery)